

## EAST Search History

### EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	(("5399024") or ("20060171617") or ("20020047239")).PN.	US-PGPUB; USPAT	OR	OFF	2009/11/02 14:28
L2	339	(277/403).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/11/02 15:29
L4	164	(384/122,124).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/11/02 16:06
L5	1	("2006/0171617").URPN.	USPAT	OR	OFF	2009/11/02 16:07
L6	327	(277/411).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/11/02 16:09
L7	237	(277/400).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/11/02 16:11
L8	8	("6109617"   "6135458"   "6155572"   "6196790"   "6325378").PN. OR ("6494460").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 16:15
L9	28	("2531079"   "3486760"   "3498620"   "3526408"   "3589738"   "3804424"   "3917289"   "4196911"   "4447063"   "4523764"   "5052694"   "6059293"   "6068263"   "6068264").PN. OR ("6135458").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 16:21
L10	112	(277/413).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/11/02 16:25
L13	567	(277/400,403).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/11/02 16:37
L14	64	13 and valve	US-PGPUB; USPAT	OR	ON	2009/11/02 16:38
L15	31	("2089773"   "2374353"   "2509912"   "3079605"   "3480284"   "4277072"   "4471964").PN. OR ("4613141").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/02 16:41
L16	334	(277/387).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/11/02 16:48

L17	60	16 and valve	US-PGPUB; USPAT	OR	ON	2009/11/02 16:50
S1	17	("3813086"   "3869963"   "3871099"   "3945777"   "4007974"   "4331337"   "4373535"   "4375891"   "4426087"   "4426161"   "4461612"   "4747752"   "4884945"   "5222742"   "5531457"   "5558341"   "5975537").PN.	USPAT	OR	OFF	2007/10/10 15:19
S2	3	(( "5399024" ) or ( "2137487" ) or ( "6435822" )).PN.	USPAT	OR	OFF	2007/10/10 15:19
S3	19	("2137487"   "3930691"   "4362304"   "4403873"   "4496251"   "4515486"   "4544285"   "4639146"   "4738453"   "4738550"   "4919549"   "4927275"   "5246295").PN. OR ("5399024").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/10 15:49
S4	43	("1940779"   "2586739"   "2888281"   "3169024"   "3559725").PN. OR ("4738453").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/10 15:51
S5	17	("2881014"   "3751045"   "4114900"   "4252385"   "4260166"   "4277111"   "4632404"   "4643437"   "4659092"   "4676668"   "4738453"   "4792146").PN. OR ("5246295").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/10 15:56
S6	335	(277/403).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/10 16:32
S7	223	(277/400).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/10 16:32
S8	59	("3499653").URPN.	USPAT	OR	OFF	2007/10/10 17:05
S9	301	(277/411).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/10 17:06
S10	13	S9 and pad	US-PGPUB; USPAT	OR	ON	2007/10/10 17:06
S11	0	(277/122,124).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/10 17:08
S12	159	(384/122,124).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/10 17:09

S13	1	("2006/0171617").URPN.	USPAT	OR	OFF	2007/10/10 17:09
S14	43	("1940779"   "2586739"   "2888281"   "3169024"   "3559725").PN. OR ("4738453").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/10 17:56
S15	19	("2137487"   "3930691"   "4362304"   "4403873"   "4496251"   "4515486"   "4544285"   "4639146"   "4738453"   "4738550"   "4919549"   "4927275"   "5246295").PN. OR ("5399024").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/17 16:39
S16	44	("1940779"   "2586739"   "2888281"   "3169024"   "3559725").PN. OR ("4738453").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/17 16:40
S17	60	("3499653").URPN.	USPAT	OR	OFF	2009/04/17 16:43
S18	10	("2814512"   "3447809"   "3499653"   "3529838").PN. OR ("3905606").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/17 16:46
S19	9	("3529838").URPN.	USPAT	OR	OFF	2009/04/17 16:48
S20	4	hydrodynamic same seal \$3 same pad same conical	US-PGPUB; USPAT	OR	ON	2009/04/17 16:56
S21	304	seal\$3 same pad same conical	US-PGPUB; USPAT	OR	ON	2009/04/17 16:57
S22	11	seal\$3 same pad same conical same thrust	US-PGPUB; USPAT	OR	ON	2009/04/17 16:57
S23	339	(277/403).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/17 17:02
S24	236	(277/400).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/17 17:03

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	0	(384/122,124).CCLS.	UPAD	OR	OFF	2009/11/02 16:05

L11	124	(gas and seal\$3 and gap and (bias\$3 or spring) and chamber and valve).clm.	USPAT; UPAD	OR	ON	2009/11/02 16:33
L12	57	(gas and seal\$3 and gap and (bias\$3 or spring) and chamber and valve).clm.	US-PGPUB	OR	ON	2009/11/02 16:34

11/2/09 5:04:48 PM

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